

Title (en)
Transport system and transport method

Title (de)
Transportsystem und Transportverfahren

Title (fr)
Système et procédé de transport

Publication
EP 2642300 A1 20130925 (EN)

Application
EP 13000996 A 20130227

Priority
JP 2012052121 A 20120308

Abstract (en)
According to an embodiment, a transport system (10, 100) configured to transport a receptacle (12) which accommodates an upright sample holder (11) containing a sample, characterized by comprising, a screw (20) comprising a rotatable shaft (21) disposed along a predetermined transport path and a helical ridge (22) protruding outward from an outer peripheral surface of the shaft, and a drive unit (40) configured to rotate the screw.

IPC 8 full level
G01N 35/04 (2006.01)

CPC (source: EP KR US)
B65G 33/06 (2013.01 - US); **F16H 25/20** (2013.01 - KR); **G01N 33/49** (2013.01 - KR); **G01N 35/04** (2013.01 - EP US); **G01N 35/10** (2013.01 - KR); **G01N 2035/0406** (2013.01 - EP US); **G01N 2035/0487** (2013.01 - EP US)

Citation (applicant)
JP 2005263478 A 20050929 - IDS KK

Citation (search report)
• [X] US 2010064826 A1 20100318 - CHAMPSEIX SERGE [FR], et al
• [X] US 5040894 A 19910820 - KARP JOSEPH G [US], et al
• [AD] US 2005207937 A1 20050922 - ITOH TERUAKI [JP]

Cited by
CN106564723A; GB2530336A; CN106477222A; EP2908138A1; EP3075684A1; US9766258B2; US9776811B2; US9745140B2; TWI600600B; WO2022180526A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2642300 A1 20130925; CA 2808021 A1 20130908; CN 103303639 A 20130918; JP 2013184801 A 20130919; JP 5514850 B2 20140604; KR 20130103408 A 20130923; TW 201406631 A 20140216; US 2013233673 A1 20130912; US 8783441 B2 20140722

DOCDB simple family (application)
EP 13000996 A 20130227; CA 2808021 A 20130304; CN 201310073500 A 20130308; JP 2012052121 A 20120308; KR 20130024495 A 20130307; TW 102107253 A 20130301; US 201313790018 A 20130308